M. A. R. 57 (Rule 116) **No. E**

Measurement Book

681301

Serial No. ..3rd...and....Part..Bill

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of Work :- Comprehensive development of Roads and Drains in ward No-14 Rajrajeshwari Constituency under Parivarge 2019-20-12RN-Dw(03) AS No :- BE-RRN-AS 147-2021 Dated : 02/09/20 TS No :- CE-RRN-TS-229-2019-20 Dated : 20/01/20 W/O No :- EE-RRND-W/O No - 000084/2021 Dt: 14/9/20 Est Cost : 1100 Lakhs.						

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MEASUREMENT BOOK

Date / Sl. No	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents: Schedule Qty	Reference to last Measurement: Page
		3	4	5	6	7	8
①	Removing & Refixing stone slabs of Drains and pointing. above [illegible]					1073747	111.00
②	Excavation in road crust and similar work Earthwork					6803.27	280.00
○	above 135 m.				(Cum)	1976.42	838.12
③	Plain Cement conc 1:3:6 with Crushed stone Jelly					101.92	4400.00
○	above 135 m.				(Cum)	645.78	4879.59
④	providing and laying Reinforced Cement conc.					963.14	7000.00
○	above 135 m.				(Cum)	99.10	7806.99
⑤	providing T.M.T Steel reinforcement for R.C.C work				(Ton)	95.98	72000.00
⑥	providing and constructing granite/trap/basalt stone				(Cum)	47.16	4400.00

Executive Engineer, Dahisar Bandra Kurla Complex

M. A. R. 57 (Rule 116) No. E

Measurement Book

681302

Serial No. .....

Name of work Providing Revised ..... From Present Measurement ..... To Total up-to-Date

Name of Contractor or nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Qty	Cost	Dimensions: Number	Length	Breadth	Depth	Contents: Qty	Cost	Reference to last Measurement: Page
1				3	4	5	6			8
		1073747	1190749.56	0.00				1073747	1190749.56	
		4766.85	1036375	1536.42	353377.00			6803.27	1803139.10	1449782
		0.00	470630.39	1976.42	470628.00			1976.42	941120.39	470625
		0.00	448448	101.92	448448			101.92	896896.75	448448
		0.00	315150.39	645.78	315150.00			645.78	630300.39	3151142
		0.00	1835006.25	963.14	1835006.00			963.14	3670012.25	1834980
		0.00	758093.39	99.10	758093.00			99.10	1516186.39	758057
		0.00	1819990.96	95.98	1819990.00			95.98	3639981.96	1820160
		0.00	226368.00	47.16	226368.00			47.16	452736.00	226368

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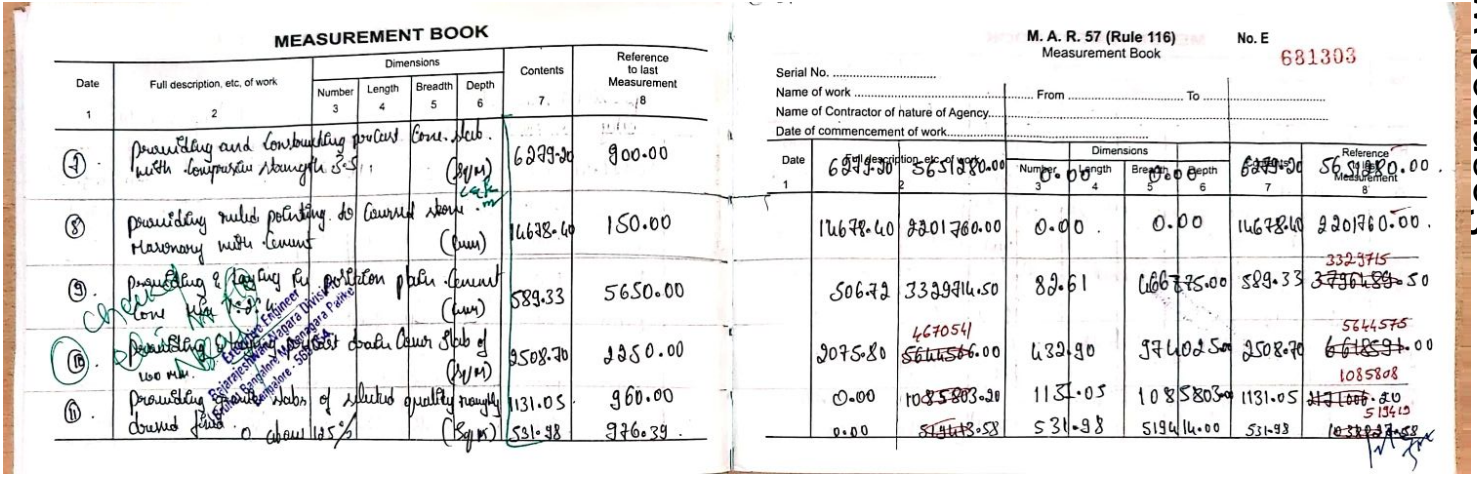

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(7)	providing and constructing porous Conc. Slab. with compressive strength 25	1			(Sq m)	6279.30	900.00
(8)	providing rubble pointing to Coursed stone Masonary with Cement				(Cum)	14678.40	150.00
(9)	providing & laying Fly protection plain Cement Conc 1:2:4				(Cum)	589.33	5650.00
(10)	providing & laying RCC cast in situ Conc Slab of 100 mm				(Sq m)	2508.70	1250.00
(11)	providing granite slabs of selected quality roughly dressed fixed to chow 12.5%				(Sq m)	1131.05	960.00
						531.98	976.39

Executive Engineer
Engineering Division
Bangalore Nagara Jilla
Bangalore - 560 009

M. A. R. 57 (Rule 116)
Measurement Book

No. E 681303

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc. of work	Dimensions					Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	6279.30 5651880.00	0.00		0.00		6279.30	56 [illegible] 0.00
	14678.40 2201760.00	0.00		0.00		14678.40	2201760.00
	506.72 3329714.50	82.61		6667.75.00		589.33	3329714.50
	2075.80 5644575.00	432.90		974002.50		2508.70	5644575.00
	0.00 1085803.20	1131.05		1085803.20		1131.05	1085808.20
	0.00 5194148.58	531.98		5194148.00		531.98	5194148.58

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(12)	Providing two tier drystone retaining wall with granite stone masonary.				(Sqm)	1131.05	1550.00
0	above 125%					528.08	1600.55
(13)	Providing Chamfouring edges to stone slab in kitchen as per specification				(Sqm)	524.00	60.00
(14)	Providing & laying in Cement concrete 1:2:4 (1cum cement 2cum sand & 4cum granite metal) including curing for Precast cover slab of thickness 10cm				(Sqm)	226.23	5400.00
0	above 125%					346.36	5800.51
(15)	Providing & fixing of Kota stones as per direction				(Sqm)	5095.42	100.00
(16)	providing & fixing pre cast solid cover slab with Kota stones of				(Sqm)	6096.00	460.00
0	above 125%					858.33	472013

Executive Engineer
Bangalore Mahanagara Palike
Bangalore - 560 004.

M. A. R. 57 (Rule 116)
Measurement Book

No. E 681304

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
0.00	0.00					1131.05	1753128
0.00	846208.86	3528.08		846208.00		528.08	3546839.75
0.00	314440.00	524.00		314440.00		524.00	314440
0.00	1221615.00	226.23		1221615.00		226.23	1221642
0.00	2009036.92	346.36		2009036.00		346.31	2009065
5095.42	5095.50	0.00		0.00		5095.42	5095.50
6096.00	3857600.00	1699.00		781540.00		1265.00	3857600
0.00	405248.87	858.33		405249.00		858.33	405243

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(14)	painting two coats after filling the surface with Synthetic				(Sqm)	965.20	80.00
(15)	Construction of embankment with Approved above 10 S.S.				(Cum)	787.03	340.00
						693.27	343.85
(16)	Construction of granular sub-base grading-V as Sub-base and filling				(Cum)	1381.77	1990.00
(36)	Providing & filling sand in foundation to Rqd.				(Cum)	303.67	2100.00
(37)	Providing, laying, Spreading and Compacting stone Agg. of granite.				(Cum)	1188.00	2000.00
(38)	providing & Applying primer coat with S.B.S				(Sqm)	5094.80	29.00

M. A. R. 57 (Rule 116) No. E 681305
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc. of work		Dimensions			Contents	Reference to last Measurement
			Number	Length	Breadth / Depth		
1	2		3	4	5 / 6	7	8
	198.00	15840 77216.00 153077			376.00		
	650.93	86759.63	336.81	114514.00		783.03	332707.63
	0.00	221.13	693.27	241391.00		693.27	241391.13
	1381.77	274727.38	30.367	6067.00		1381.77	274727
	303.67	637700.70	0.00	0.00		303.67	637700.70
	1191.80	237608.00	16.20	32392 2240.00		1188.00	237600.00
	5094.80	147749.20	0.00	0.00		5094.80	147749.20

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(23).	cleaning the building black topped surface with broom.				(Sq m)	350883	5.00
(24).	providing and Applying hot Grout using 80/100				(Sq m)	79355.80	12.00
(25).	providing & laying dense graded bitumen macadam				(Cum)	2681.87	75100.00
(26).	Load Hauling with Hot Applied Equipment				(Sq m)	2006.51	450.00
(27).	providing & laying bituminous concrete using				(Cum)	1785.31	8500.00
(28).	providing & laying heavy duty Cobble shape				(Sq m)	3779.17	1100.00

M. A. R. 57 (Rule 116) No. E 681306
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc. of work		Dimensions					Reference to last Measurement
			Number	Length	Breadth	Depth		
1	350883	1753541.95	0.00	0.00	0.00	0.00	350883	1753541.95
	79355.80	9510696.60	0.00	0.00	0.00	0.00	79355.80	951069.60
	2681.87	18614035.00	0.00	0.00	0.00	0.00	2681.87	18614035.00
	0.00	4039225	0.00	0.00	0.00	0.00	0.00	4039225
	1785.31	15175101.00	0.00	0.00	0.00	0.00	1785.31	15175101.00
	3779.17	41570870.00	0.00	0.00	0.00	0.00	3779.17	41570870.00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(29).	Excavation for Road work in soil with hydraulic type excavator					1981.05	84.00
(30).	Providing & constructing dry lean cement concrete (1:4:8)					217.35	3800.00
(31).	Constructing cement concrete plain cement work for Pavement.					315.60	5963.00
(32)	Vacuum de-watering with vacuum pump & suction.					1386.05	70.00
(33)	Earthwork in surface excavation in ordinary soil for leveling.					3.95	200.00
(34)	Earthwork excavation for foundation of					68.38	395.00

M. A. R. 57 (Rule 116)
Measurement Book

No. E 681307

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work		Dimensions				Contents	Reference to last Measurement
			Number	Length	Breadth	Depth		
1	1981.05 2	166406.31	3	4	5	6	7	166406.51 8
	201.15	764370 ~~825930.00~~	16	20	615	60.00	217.35	~~825930~~ ~~827490.00~~
	299.40	1575729 ~~1660983.64~~	16	20	~~85274~~ 8527	1.00	315.60	1661003 ~~1661250.64~~
	127.05	39444 ~~97028.50~~	108	00	756	0.00	1386.05	97024 ~~104583.50~~
	3.95	1026.48	0	00	0	00	3.95	1026.48
	68.38	27008.52	0	00	0	00	68.38	27008.52

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(35)	providing & laying fin position plain 1:3:6 (Cum)					10.95	5300.00
(36)	providing & constructing granite/trap/basalt stone masonary (Cum)					23.31	4400.00
(37)	providing & constructing granite/trap/basalt stone masonry (Cum)					26.86	5300.00
(38)	providing flush pointing to square rubble, course (s) unlavered stone (Sqm)					37.72	100.00
(39)	providing & filling sand for foundation upto plinth level (Cum)					158.36	2100.00
(40)	providing & injecting chemical emulsion (kg/m)					128.70	100.00

M.25

M. A. R. 57 (Rule 116)
Measurement Book

No. E 681306

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last
		Number	Length	Breadth	Depth		
1	10.95 2 5801713	3 6.00	4 0.00	5 0.00	6	10.95	5801713 11
	23.31	10256400	0.00	0.00		23.31	10256400
	26.86	131779.20	0.00	0.00		26.86	131779.20
	37.72	3772.00	0.00	0.00		37.72	3772.00
	158.36	332346.06	0.00	0.00		158.36	332346.06
	128.70	12870.48	0.00	0.00		128.70	12870.48

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(41)	providing & laying in position reinforced (Cum)					8.60	6500.00
(42)	providing & laying in position reinforced (Cum)					5.71	6740.00
(43)	providing & removing centering, shuttering (Sqm)					38.40	300.00
(44)	providing & removing centering, shuttering, (Sqm)					26.32	580.00
(45)	providing & removing centering, shuttering (Sqm)					8.09	715.00
(46)	providing T.M.T steel reinforcement for RCC (Ton)					1.18	6 4000.00

M. A. R. 57 (Rule 116) No. E 681309
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work		Dimensions				Contents	Reference to last Measurement
			Number	Length	Breadth	Depth		
1		2	3	4	5	6	7	8
	8.60	23439.25					8.60	23439.25
	5.71	38461.14	0.00		0.00		5.71	38461.14
	33.40	10020.00	0.00		0.00		33.40	10020.00
	26.32	15265.60	0.00		0.00		26.32	15265.60
	8.09	2209.35	0.00		0.00		8.09	2209.35
	~~1.18~~	~~7550.00~~	0.00		0.00		~~1.18~~	7550.00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(47)	providing & constructing load bearing wall with mild Cont 1:6 (3 coats)				(2pm)	60.33	990.00
(48)	providing 18mm thick cement plaster in single coat with cement				(1pm)	74.43	200.00
(49)	providing 15mm thick cement plaster in single coat with cement 1:6				(1pm)	53.19	190.00
(50)	providing 12mm thick cement plaster in single coat with cement				(1pm)	19.80	180.00
(51)	providing lime rendering for plastering to wall and ceiling, including				(1pm)	72.99	26.00
(52)	providing & Applying two coats with oil bound				(1pm)	72.99	75.00

M. A. R. 57 (Rule 116)
Measurement Book

No. E 631310

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
60.33	59908.68	0.00		0.00		60.33	59908.68
74.43	14885.60	0.00		0.00		74.43	14885.60
53.19	10106.10	0.00		0.00		53.19	10106.10
19.80	3564.00	0.00		0.00		19.80	3564.00
72.99	1897.74	0.00		0.00		72.99	1897.74
72.99	5474.25	0.00		0.00		72.99	5474.25

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(53)	providing & finishing internal walls in two coats with waterproof				(Sqm)	74.45	88.00
(54).	providing & laying Harran green granite flooring for Varanda.				(Sqm)	23.76	4200.00
(55).	providing & fixing in position aluminium windows & ventilators - as per approved.				(Sqm)	0.72	4400.00
(56).	providing & fixing M.S Grill work for windows & ventilators weighing 21Kg/sqm				(Sqm)	28.80	80.00
(57)	providing & Applying Enamel Metal paint two coats over new steel				(Sqm)	1.44	85.00
(58).	For roof slab & beams providing & Applying water proofing (Sqm)					26.32	700.00

M. A. R. 57 (Rule 116)
Measurement Book

No. E 681311

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	74.45 2 6569.66	3	4	5	6	7	8
	23.76	99792.00	0.00	0.00		23.76	99792.00
	0.72	3168.00	0.00	0.00		0.72	3168.00
	28.80	2304.00	0.00	0.00		28.80	2304.00
	1.44	122.40	0.00	0.00		1.44	122.40
	26.32	19476.80	0.00	0.00		26.32	19476.80

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(58)	providing & fixing iron grill M.S Mat grade door with frame				(Sqm)	7.14	2450.00
(60)	Loading and unloading of stone Boulder/ stone Agg / Sand				(Cum)	86.16	106.00
(61)	providing & fixing pre-cast solid cone Kerb of size 450x150x150				stone-Nos	830.00	450.00
(62)	Polishing two coats after felling the surface with synthetic				(Sqm)	149.32	86.00
(63)	providing and laying heavy duty cobble 25mm thick cushion bed				stone (Sqm)	1003.51	1162.00
(64)	providing pre Cast Engraved Nameplate of size (Sqm)					332.00	1800.00

M. A. R. 57 (Rule 116)
Measurement Book

No. E 681312

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work		Dimensions				Contents	Reference to last Measurement
			Number	Length	Breadth	Depth		
1	2		3	4	5	6	7	8
	36.16	3833.17	0.00		0.00		36.16	3833.17
	830.00	373500.00	0.00		0.00		830.00	373500.00
	149.32	12542.88	0.00		0.00		149.32	12542.88
	1003.51	1166078.62	0.00		0.00		1003.51	1166078.62
	332.00	431606.18	0.00		0.00		332.00	431606.18

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(65)	Fabricating, supplying & Erecting M.S Angular Truss for all roof.				(Type)	73777.81	130.00
(66)	Supplying and fixing new Manglore Tile on existing rafters.				(Type)	113.50	4425.00
(67)	Supplying & fixing polished grey granite slab of size 5ft				(Type)	18.00	189000.00
(68)	For Pagoda as per the Direction of Engg. In charge				(Type)	2.00	159995.00
EIRL (1)	Supplying, laying & jointing HDPE pipes of Specified grade and performing.				(Rate)	1900.00	516.03
EIRL (2)	Supplying laying & jointing HDPE pipes of specified				(Rate)	2110.00	307.26

M. A. R. 57 (Rule 116)
Measurement Book

No. E 631313

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work		Dimensions				Contents	Reference to last Measurement
			Number	Length	Breadth	Depth		
1	2		3	4	5	6	7	8
	73777.81	95915.14	0.00	0.00	0.00		73777.81	95915.14
	113.50	48239.52	0.00		0.00		113.50	48239.52
	18.00	189000.00	0.00		0.00		18.00	189000.00
	2.00	319990.00	0.00		0.00		2.00	319990.00
	0.00	980455.00	1900.00		980455.00		1900.00	980457
	0.00	648323.24	2110.00		307.26 648323.00		2110.00	648319

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
EIPL ③	providing fusion welding jointing for HDPE pipe grade PE-80/PE 100				(Part)	1900.00	59.95.
EIPL ④	providing fusion welding jointing for HDPE pipe grade PE-80/PE 100				Part	2110.00	43.89
	Total Amount.						
	GST 12%						
	Grand total.						
1)	The above work has been Completed satisfactorily						
2)	The Rebates has been removed & delayed from the yet						
3)	No. Reference/numbers Directions made by the Contractor						

M. A. R. 57 (Rule 116) No. E 631314

Measurement Book

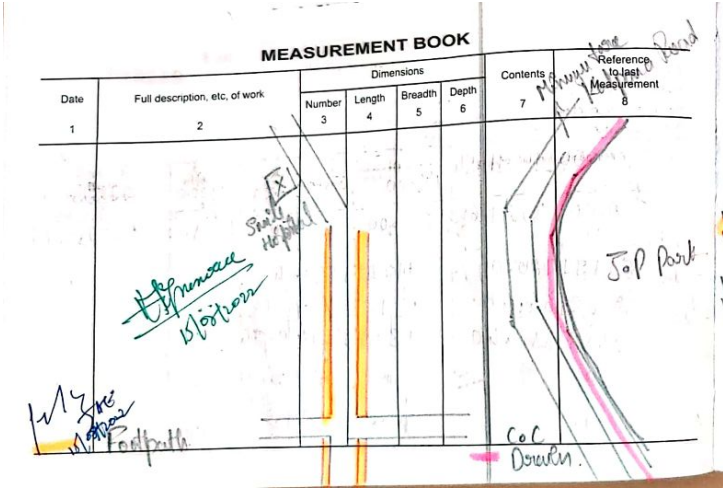
Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

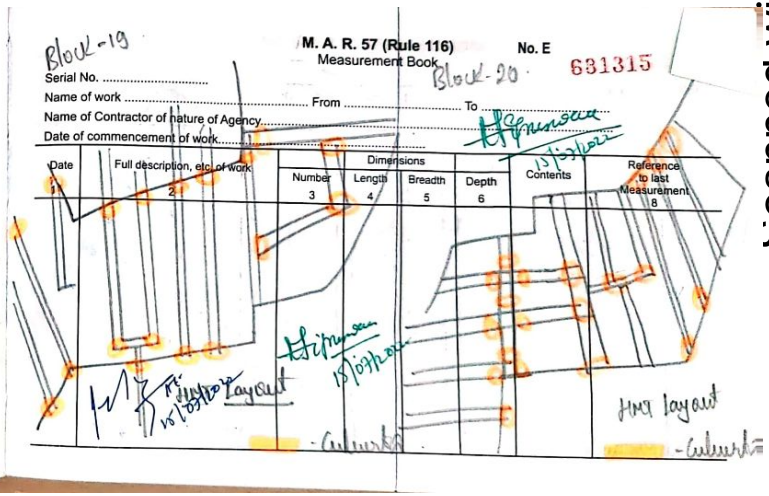
Date of commencement of work.....

Date	Description	Dimensions				Contents	Reference 113905
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	0.00 92618.61	2110.00	43.89			92618.00	185235.61
	21595644					3480523	



MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



M. A. R. 57 (Rule 116) No. E

Measurement Book

Serial No. .....

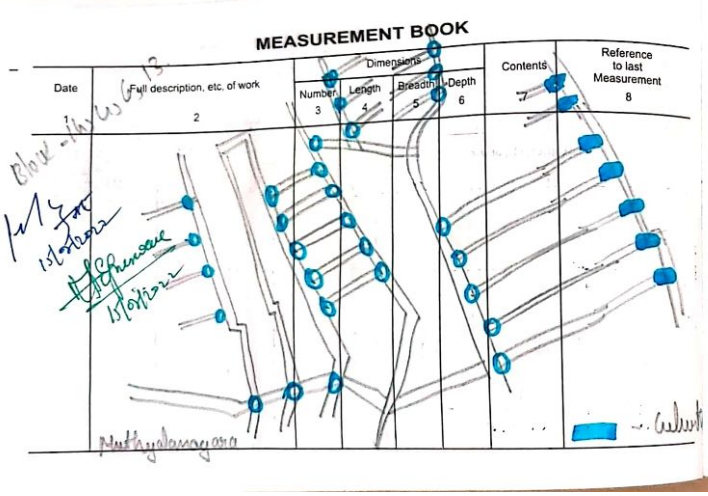
Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

Scanned with CamScanner



MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8

Below the ties (13
For
Masonry
Superstructure
Masonry

Muthyalamaguva

M. A. R. 57 (Rule 116) No. E
Measurement Book

681316

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
			Deductions			F - 9,48,06,523 -	
			IT - 2,15,956 -			PP.1 G) 7,32,10,879 -	
			GST - 2,15,956 -				2,15,95,644 -
			SGST - 2,15,956 -			G) 13,30,333 -	
			Royalty - 4,44,913 -				
			CGF - 2,15,956 -				
			LWC - 2,15,956 -			By cheque - 2,02,65,311 -	

Audited and admitted for Rs. 2,15,956 -
Passed by Cheque for Rs. 2,02,65,311 -
(Two crore two lakh sixty five thousand three hundred and eleven only
by adjustment 1,30,333 -

Accounts Superintendent
Rajeshwari Nagar Division, BBMP

Exe. Engineer

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